S
53.28
LS
Vol 27 No 1
1978 Jan
SHELVED WITH PERIODICALS
PLEASE RETURN

Montana State Library
3 0864 1005 9819 5

MONTANA OIL AND GAS STATISTICAL BULLETIN

STATE DOCUMENTS COLLECTION
APR 12 1978
MONTANA STATE LIBRARY
930 E. Lyndale Ave.
Helena, Montana 59601

ADMINISTRATORS

DONALD E. CHISHOLM, Administrator
P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, Attorney
1721 ELEVENTH AVENUE
HELENA, MONTANA 59601

JUDSON D. SWEET, Petroleum Engineer
15 POLY DRIVE
BILLINGS, MONTANA 59101

CHARLES G. MAIO, Geologist
15 POLY DRIVE
BILLINGS, MONTANA 59101

BOARD MEMBERS

R. A. CAMPBELL, Chairman
1222 N. 27TH STREET
BILLINGS, MONTANA 59101

C. J. IVERSON, Vice Chairman
WHITLASH, MONTANA 59545

MILTON G. ANDERSON
P. O. BOX 73
SIDNEY, MONTANA 59270

PAUL C. BUNN
WESTLAND BUILDING
CHESTER, MONTANA 59522

JOHN P. MOORE
P. O. BOX 997
CUT BANK, MONTANA 59427

BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXVII, No. 1 4 **January, 1978**

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of January, 1978 averaged 82,477 barrels daily, a decrease of 1,060 barrels from the average 83,537 production in December, 1977.

The six refineries in the state processed 128,732 barrels of crude oil daily for the month of January, a decrease of 32 barrels from the 128,764 barrels processed daily during the month of December, 1977.

During January, 62 wells were completed, 8 oil, 18 gas, and 36 dry holes.

During January, the board issued 48 permits to drill new wells, a decrease of 43 from the 81 permits issued during December, 1977.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF JANUARY, 1978

IN STORAGE JANUARY 1st	
By Producers	351,530
By Transporters	1,438,975
By Refiners	1,421,444
TOTAL STORAGE	3,211,949
Produced in Mont. During Month	2,556,786
Imported During Month	3,605,741
TOTAL	9,374,476
DISPOSITION	
Refined in Montana	3,990,704
Exported	2,006,258
Used for Fuel or Lost	4,966
TOTAL	6,001,928
IN STORAGE JANUARY 31st	
By Producers	374,177
By Transportation	1,438,865
By Refiners	1,559,506
TOTAL STORAGE	3,372,548

REFINERS MONTHLY REPORT
January 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	258,048	256,415	.....	310,835	835,606	1,441,007	219,897
Exxon Company	333,540	22,071	.....	802,080	312,272	1,180,585	289,378
Farmers Union	791,688	50,296	15,570	449,026	765,382	1,043,010	1,028,952
Kenco Refining	.....	63,270	.....	.....	.....	63,270	.....
Phillips Petroleum	3,965	42,354	.....	.....	92,899	131,458	7,760
Wesco Refining Co.	34,203	110,690	.....	.....	.....	131,374	13,519
TOTALS	1,421,444	545,096	15,570	1,561,941	2,006,159	3,990,704	1,559,506

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL REFINED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1977	24,577	549	50,405	57,615	133,146	18.46%	.41%	37.86%	43.27%
January, 1977	23,444	.....	41,555	55,580	120,579	19.44%	.....	34.46%	46.10%
January, 1978	17,584	502	50,385	64,715	133,186	13.20%	.38%	37.83%	48.59%

PRODUCERS' REPORT—MONTH OF JANUARY, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
3	Arch Apex	4	1,366	630	911	—	1,085
1	Ash Creek	2	290	838	830	—	298
1	Bainville	1	2,345	1,618	1,878	—	2,085
2	Bannatyne	2	607	425	425	—	607
4	Bears Den	5	1,142	583	—	—	1,725
14	Bell Creek	171	14,788	721,512	721,059	2,120	13,121
1	Benrud	2	232	125	208	—	149
3	Benrud East	3	1,424	8,517	8,777	—	1,164
1	Benrud Northeast	1	734	760	879	—	615
—	Berthelote	—	351	—	—	—	351
2	Big Gully	2	628	1,171	846	—	953
3	Big Muddy Creek	3	2,404	8,025	8,106	—	2,323
5	Big Wall	16	1,669	6,186	6,192	—	1,663
1	Blackfoot	6	431	1,550	1,219	—	762
1	Blue Hill	1	608	2,728	2,441	—	895
5	Border	10	1,721	1,220	798	—	2,143
1	Boulder	1	955	1,849	1,848	—	956
1	Bowes	51	3,976	8,347	8,764	—	3,559
1	Bradley	1	370	553	—	—	923
2	Breed Creek	3	1,269	4,065	4,879	—	455
5	Brorson-Madison	5	2,660	2,761	2,306	—	3,115
4	Brorson-Red River	4	4,605	5,506	5,771	—	4,340
3	Brorson-Red River S.	3	1,643	3,818	4,425	—	1,036
5	Brush Lake	5	2,027	10,045	11,264	—	808
—	Burns Creek	—	136	—	—	—	136
2	Cabin Creek	85	—	136,326	136,326	—	—
2	Canal	2	1,270	2,334	2,113	—	1,491
9	Cat Creek	54	1,856	6,860	6,664	—	2,052
2	Charlie Creek	2	2,137	11,471	11,680	—	1,928
—	Clarks Fork	—	37	—	—	—	37
—	Clarks Fork North	—	242	—	—	—	242
1	Clarks Fork South	1	1,383	237	—	—	1,620
2	Clear Lake	2	672	9,239	9,046	—	865
—	Conrad South	—	90	—	—	—	90
—	Cow Creek	—	243	—	—	—	243
9	Cow Creek East	11	3,405	18,443	15,672	—	6,176
1	Culbertson	1	898	160	892	—	166
6	Cupton	9	4,973	7,815	8,291	—	4,497
83	Cut Bank	807	34,977	144,985	141,780	(8)	38,190
1	Dagmar	2	878	820	1,188	—	510
1	Dean Dome	1	200	906	—	—	1,106
1	Deer Creek	1	529	653	938	—	244
—	Delphia	—	56	—	—	—	56
—	Devils Basin	—	294	—	—	—	294
6	Dry Creek	6	901	2,697	2,545	—	1,053
2	Dwyer	10	4,008	13,444	13,191	—	4,261
3	Elk Basin	52	485	80,113	80,108	—	490
2	Elk Basin Northwest	4	1,332	1,239	1,253	—	1,318
5	Fairview	9	5,543	22,030	20,057	—	7,516
1	Fertile Prairie	1	750	144	650	55	189
3	Flat Coulee	19	2,388	10,173	9,700	—	2,861
7	Flat Lake	48	2,625	47,387	47,186	—	2,826
5	Flat Lake South	5	1,348	3,231	3,352	—	1,227
1	Fort Gilbert	2	700	5,073	4,732	—	1,041
1	Four Mile Creek	1	282	2,433	2,051	—	664
1	Four Mile Creek West	1	478	2,374	1,830	—	1,022
1	Frannie	1	—	31	31	—	—
8	Fred & George Creek	27	5,768	37,979	39,097	—	4,650
1	Froid South	1	735	299	450	—	584
—	Gage	—	35	—	—	—	35
3	Gas City	11	1,873	8,183	6,641	—	3,415
1	Girard	1	1,309	63	—	—	1,372
12	Glendive	15	1,858	18,122	15,873	—	4,107
—	Golden Dome	—	350	—	—	—	350
11	Goose Lake	18	3,743	12,062	11,541	—	4,264
12	Graben Coulee	25	4,172	4,117	3,058	6	5,225
—	Grandview East	—	377	—	—	—	377
5	Gumbo Ridge	5	2,497	2,796	904	—	4,389
1	Gypsy Basin	1	757	557	207	528	579
2	Hay Creek-Mission	2	1,252	81	1,202	—	131
2	Hay Creek-Red River	2	2,068	3,308	2,611	—	2,765
4	Hiawatha	4	2,229	4,122	3,641	—	2,710
1	Hibbard	1	791	314	209	—	896
7	High Five	13	2,477	16,494	15,517	(4)	3,458
—	Highview	—	25	—	—	—	25
1	Horse Creek	1	812	78	—	—	890
3	Howard Coulee	3	1,665	1,649	1,206	—	2,108
4	Ivanhoe	9	1,090	2,095	2,106	—	1,079
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee	15	2,906	23,500	23,562	—	2,844
5	Keg Coulee	16	2,986	6,053	4,776	31	4,232
4	Keg Coulee North	4	1,095	3,888	3,042	10	1,931
1	Kelley	3	581	1,959	1,328	—	1,212
73	Kevin Sunburst	435	15,071	18,856	17,604	—	16,323
1	Laird Creek	9	1,377	1,536	1,226	—	1,687
—	Landslide Butte	—	221	—	—	—	221
3	Leary	3	2,258	3,228	2,873	20	2,593
2	Little Beaver	22	1,226	33,914	34,082	—	1,058
2	Little Beaver East	8	1,587	8,725	8,117	—	2,195
13	Little Wall Creek	14	5,440	17,390	17,916	(5)	4,919
1	Lodge Grass	1	626	634	755	—	505
2	Lone Butte	2	918	1,149	1,680	—	387
6	Lonetree Creek	6	2,813	9,164	8,970	—	3,007
1	Long Creek	1	383	584	687	—	280
2	Long Creek West	2	980	5,454	5,779	—	655
3	Lookout Butte (Coral Creek)	30	812	49,799	49,737	—	874
2	Mason Lake	2	392	259	—	—	651
3	Melstone	7	1,294	11,839	11,927	—	1,206
1	Mineral Bench	1	398	435	435	—	398

PRODUCERS' REPORT—MONTH OF JANUARY, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
2	Miners Coulee	2	759	93	—	—	852
8	MonDak West	8	7,674	28,707	29,313	—	7,068
10	Monarch	15	4,053	10,600	10,885	—	3,768
1	Nohly	2	813	7,871	7,399	—	1,285
1	North Fork	2	1,294	4,486	4,902	—	878
4	Otis Creek	4	2,291	3,184	1,545	—	3,930
5	Outlook	6	2,153	16,566	17,460	—	1,259
1	Outlook South	1	1,499	508	852	—	1,155
2	Outlook West	2	1,430	81	—	—	1,511
1	Pennel	119	1,408	222,926	223,310	—	1,024
—	Phantom	—	562	—	—	—	562
4	Pine	101	12,596	176,025	173,615	—	15,006
62	Pondera	292	6,674	23,259	23,376	—	6,557
6	Poplar	59	8,003	35,732	35,964	—	7,771
10	Poplar Northwest	15	2,695	13,504	13,464	—	2,735
1	Prairie Elk	1	740	713	—	—	1,453
1	Prichard Creek	4	506	838	708	—	636
1	Putnam	2	347	1,230	1,061	—	516
1	Rabbit Hills	1	1,829	3,206	3,082	—	1,953
8	Ragged Point	21	4,484	4,975	5,661	(4)	3,802
1	Rattler Butte	1	256	568	415	—	409
2	Rattlesnake Coulee	2	905	223	—	—	1,128
2	Raymond	5	2,397	19,116	20,185	—	1,328
1	Raymond Northeast	1	648	1,332	1,779	—	201
3	Reagon	48	860	14,793	14,687	—	966
1	Red Creek	18	—	7,780	7,780	—	—
1	Red Fox	1	299	108	351	—	56
1	Redstone	1	300	929	1,082	—	147
1	Repeat	1	797	980	1,554	—	223
2	Reserve	2	2,572	636	765	—	2,443
2	Richey	2	683	1,392	1,414	—	661
1	Richey Southwest	4	414	510	—	—	924
1	RipRap Coulee	1	897	891	1,266	—	522
4	Rosebud	4	1,501	2,476	1,734	—	2,243
1	Rush Mountain	1	265	1,952	1,920	—	297
2	Salt Lake	3	383	1,680	1,630	—	433
2	Sand Creek	4	402	1,962	1,962	—	402
4	Second Creek	4	1,292	13,146	12,029	—	2,409
2	Sheepherder	3	348	76	—	—	424
1	Shotgun Creek, North	1	52	491	364	—	179
4	Sidney	4	1,657	5,480	5,058	—	2,079
7	Sioux Pass	7	4,618	20,917	20,972	—	4,563
1	Sioux Pass, East	1	385	1,188	1,182	—	391
2	Sioux Pass, Middle	2	1,389	10,047	10,527	—	909
5	Sioux Pass, North	5	3,293	10,641	9,993	—	3,941
1	Snyder	3	455	54	—	—	509
8	Soap Creek	23	3,413	4,496	4,486	—	3,423
2	South Fork	2	1,147	11,239	10,738	—	1,648
1	Spring Lake	1	522	1,421	1,526	—	417
1	Stensvad	3	2,130	1,853	1,596	—	2,387
25	Sumatra	96	10,294	145,722	146,324	(18)	9,710
4	Tule Creek	4	3,370	11,118	11,544	—	2,944
1	Tule Creek East	1	1,610	288	894	—	1,004
1	Tule Creek South	2	822	356	—	—	1,178
3	Utopia	4	1,371	3,998	3,964	—	1,405
3	Vaux	3	2,639	8,779	9,053	—	2,365
1	Vaux South	1	803	1,434	1,586	—	651
1	Vida	1	471	199	204	—	466
5	Volt	6	3,086	8,393	7,955	—	3,524
—	Wagon Box	—	201	—	—	—	201
1	Weed Creek	1	335	631	337	—	629
2	Weldon	2	1,900	2,179	2,748	—	1,331
1	West Butte	1	626	82	—	—	708
29	Whitlash	62	14,606	10,516	9,487	—	15,635
—	Whitlash West	—	284	—	—	—	284
2	Willow Creek North	2	484	796	731	—	549
1	Willow Ridge	2	—	413	413	—	—
3	Wills Creek South	3	—	3,092	3,092	—	—
3	Winnett Junction	5	697	8,195	8,197	—	695
2	Wolf Springs	2	1,250	1,108	—	—	2,358
—	Womans Pocket	—	271	—	—		271
2	Woodrow	2	522	1,622	1,838	—	306
2	Wright Creek	3	1,718	373	584	—	1,507
1	Wildcat, Big Horn Co.	2	166	798	385	—	579
—	Wildcat, McCone Co.	—	52	—	—	—	52
1	Wildcat, Musselshell Co.	1	690	471	945	(28)	244
8	Wildcat, Richland Co.	8	2,886	16,944	15,738	—	4,092
—	Wildcat, Roosevelt Co.	—	851	—	—	—	851
1	Wildcat, Sheridan Co.	1	—	2,233	1,964	—	269
—	Wildcat, Toole Co.	—	247	—	—	—	247
1	Wildcat, Wibaux Co.	1	66	30	—	—	96
732	TOTAL	3,190	351,530	2,556,786	2,531,436	2,703	374,177

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1977	32,679,899	89,534	32,202,122	88,225
January, 1978	2,556,786	82,477	2,531,436	81,659

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1977	351,530	1,438,975	1,421,444	3,211,949
January, 1978	374,177	1,438,865	1,559,506	3,372,548

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF JANUARY, 1978

Field NATURAL:	MC. Ft.
Alma	—0—
Bear's Den	—0—
Big Coulee	202,013
Black Coulee	3,603
Blackjack	39,397
Big Rock	156,856
Bowdoin	562,913
Bowes	83,398
Brown's Coulee	98
Bullwacker & Area	117,682
Canadian Coulee	74,638
Cedar Creek	182,597
Chip Creek	2,717
Clark Fork, North	—0—
Coal Coulee	4,155
Conrad-Butte	10,241
Cut Bank (including Reagan)	505,569
Dry Creek	106,344
Dry Creek, Middle	551
Dunkirk North	29,160
Ethridge	8,275
Flat Coulee	15,030
Fred & George	—0—
Fresno	9,591
Gold Butte	897
Grandview	—0—
Gypsy Basin	1,823
Hardin	776
Haystack Butte	26,892
Keith Block	108,450
Kevin Sunburst	58,207
Kevin Sunburst Nisku & Area	13,266
Kicking Horse	—0—
Kinyon Coulee Area	7,104
Lake Basin	40,066
Liscom Creek	17,006
Middle Butte	1,283
Miners Coulee	63,695
Mt. Lilly	18,496
Plevna	3,257
Prairie Dell	50,327
Pumpkin Creek	—0—
Rapelje	24,984
Rocky Boy Area	11,662
Sage Creek	1,759
Sawtooth Mountain & Area	153,179
Sherard	75,723
Strawberry Creek Area	6,398
Snoose Coulee	17,577
South Devon	13,100
South Shelby	26,143
Swanson Creek	4,288
Tiger Ridge	1,205,952
Trail Creek	—0—
Utopia	58,272
West Butte	15,935
Whitlash	114,726
Willow Ridge	8,290
TOTAL NATURAL GAS	4,264,361

Field ASSOCIATED:	MC. Ft.
Bell Creek	48,936
Big Muddy Creek	—0—
Blue Hill	2,063
Clark Fork, South	3,560
Coral Creek	619
Elk Basin	6,543
Fairview	33,545
Four Mile Creek	2,298
Four Mile Creek, West	1,668
Glendive	150
Otis Creek	882
Pennel	118
Richland	56,031
Sioux Pass	15,854
Sioux Pass, East	1,056
Sioux Pass, Middle	6,595
Sioux Pass, North	6,124
Sumatra	9,393
Tule Creek	7,870
TOTAL ASSOCIATED GAS	203,305
TOTAL WITHDRAWALS	4,467,666

Total withdrawals for January, 1977, were 4,734,026 MCF.